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PTO/SB/05 (08-00) (modified)

Approved for use through 9/30/2001, OMB 0651-0032

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

<b>NEW UTILITY PATENT APPLICATION TRANSMITTAL</b> <i>(only for new nonprovisional applications under 37 CFR 1.53(b))</i>	Attorney Docket Number	21676-05107
	First Named Inventor	Ernest Seagraves
	Title	ENHANCED BITLOADING FOR MULTICARRIER COMMUNICATION CHANNEL
	Express Mail Label No.	EL550795537US

APPLICATION ELEMENTS	ACCOMPANYING APPLICATION PARTS
1. <input checked="" type="checkbox"/> Fee Transmittal Form (in duplicate)	7. <input type="checkbox"/> Assignment Papers (cover sheet & document(s))
2. <input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27	8. <input type="checkbox"/> Certified Copy of Priority Document(s) (if foreign priority is claimed)
3. <input checked="" type="checkbox"/> Specification <span style="float: right;">Total Pages <input type="text" value="37"/></span> (preferred arrangement set forth below)	9. <input type="checkbox"/> Power of Attorney or Authorization of Agent
<input type="checkbox"/> Descriptive Title of the Invention <input type="checkbox"/> Cross Reference(s) to Related Case(s) <input type="checkbox"/> Statement Regarding Fed sponsored R & D <input type="checkbox"/> Background of the Invention <input type="checkbox"/> Brief Summary of the Invention <input type="checkbox"/> Brief Description of the Drawing(s) <input type="checkbox"/> Detailed Description <input type="checkbox"/> Claim or Claims <input type="checkbox"/> Abstract of the Disclosure	10. <input type="checkbox"/> 37 CFR 3.73(b) Statement
4. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113) <span style="float: right;">Total Sheets <input type="text" value="4"/></span>	11. <input type="checkbox"/> Preliminary Amendment
5. Oath or Declaration	12. <input type="checkbox"/> Information Disclosure Statement & PTO-1449 <input type="checkbox"/> Copies of IDS Citation(s)
a. <input type="checkbox"/> New Declaration <span style="float: right;">Total Pages <input type="text"/></span> <input type="checkbox"/> Executed (original or copy)	13. <input type="checkbox"/> Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent
b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 18 completed)	14. <input checked="" type="checkbox"/> Return Postcard
i. <input type="checkbox"/> DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).	15. <input type="checkbox"/>
6. <input checked="" type="checkbox"/> Application Data Sheet. See 37 CFR 1.76	16. <input type="checkbox"/>
	17. <input type="checkbox"/>
<b>ADDRESS TO:</b> <b>Box Patent Application</b> <b>Commissioner for Patents</b> <b>Washington, D.C. 20231</b>	

18. If a **CONTINUING APPLICATION**, check appropriate box and supply the requisite information below and in a preliminary amendment or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No: \_\_\_\_/\_\_\_\_

Prior application information: Examiner: \_\_\_\_\_ Group/Art Unit: \_\_\_\_\_

**For CONTINUATION OR DIVISIONAL APPS only:** The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuing or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

### 19. CORRESPONDENCE ADDRESS

☒ Customer Number and Bar Code  
Label



00758

Name (Print/Type)	Neil F. Madorex	Registration No. (Attorney/Agent)	42,833
Signature	<i>Neil F. Madorex</i>	Date	March 12, 2001

0002/PTO(modified)  
Rev. 10/2000U.S. Department of Commerce  
Patent and Trademark Office**FEE TRANSMITTAL****TOTAL AMOUNT OF PAYMENT**

Subtotal (1) + Subtotal (2) + Subtotal (3) =

(\$)**PLEASE DEFER****Complete if Known**

Application Number	NEW
Filing Date	HEREWITH
First Named Inventor	Ernest Seagraves
Group Art Unit	UNASSIGNED
Examiner Name	UNASSIGNED
Attorney Docket Number	21676-05107

**METHOD OF PAYMENT****1. The Commissioner is hereby authorized to:**

- ☐ Charge the indicated fees to the below mentioned deposit account.
- ☐ Charge any additional fee required under 37 CFR 1.16 - 1.21 or credit any over payments to the below mentioned deposit account.<sup>†</sup>
- ☒ Applicant claims small entity status  
See 37 CFR 1.27

Deposit Account Number:

Deposit Account Name: **FENWICK & WEST LLP**

A Duplicate Copy of this authorization is attached

**2. Payment Enclosed:**☐ Check ☐ Credit Card ☐ Other**FEE CALCULATION (fees effective 10/01/2000)****1. FILING FEE**

Large Entity Fee Code/Fee	Small Entity Fee Code/Fee	Fee Description	Fee Due
101/\$710	201/\$355	Utility Filing	<b>355</b>
106/\$320	206/\$160	Design Filing	
108/\$710	208/\$355	Reissue	
114/\$150	214/\$75	Provisional Filing	
<b>SUBTOTAL (1)</b>			<b>(\$)<b>355</b></b>

**2. CLAIMS**

Large Entity Fee Code/Fee	Small Entity Fee Code/Fee	Fee Description
103/\$18	203/\$9	Claims in excess of 20
102/\$80	202/\$40	Independent claims in excess of 3
104/\$270	204/\$135	Multiple dependent claim
109/\$80	209/\$40	Reissue independent claims over original patent
110/\$18	210/\$9	Reissue claims in excess of 20 and over original patent

**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

Large Entity Fee Code/Fee	Small Entity Fee Code/Fee	Fee Description	Fee Due
105/\$130	205/\$65	Surcharge - late filing fee or oath	
127/\$50	227/\$25	Surcharge-late provisional filing fee or cover sheet	
147/\$2,520	147/\$2,520	For filing a request for reexamination	
115/\$110	215/\$55	Extension for response within first month <sup>†</sup>	
116/\$390	216/\$195	Extension for response within second month <sup>†</sup>	
117/\$890	217/\$445	Extension for response within third month <sup>†</sup>	
118/\$1,390	218/\$695	Extension for response within fourth month <sup>†</sup>	
128/\$1,890	228/\$945	Extension for response within fifth month <sup>†</sup>	
119/\$310	219/\$155	Notice of Appeal	
141/\$1,240	241/\$620	Petition to revive unintentionally abandoned application	
142/\$1,240	242/\$620	Utility Issue Fee (Or Reissue)	
143/\$440	243/\$220	Design Issue Fee	
122/\$130	122/\$130	Petitions to the Commissioner	
126/\$180	126/\$180	Submission of Information Disclosure Statement	
179/\$710	279/\$355	Request for Continued Examination (RCE)	
581/\$40	581/\$40	Recording each patent assignment per property (times number of properties)	
146/\$710	246/\$355	Filing a submission after final rejection (37 CFR 1.129(a))	
149/\$710	249/\$355	For each additional invention to be examined (37 CFR 1.129(b))	
Other fee (specify):			
Other fee (specify):			
<b>SUBTOTAL (3)</b>			<b>(\$)<b>0</b></b>

(Col. 1)		(Col. 2)		(Col. 3)			
For	No. of Existing Claims		Highest No. Previously Paid For		Extra**	Fee	Fee Due
TOTAL	31	minus*	20 or 0	=	11	x 9	= 99
INDEP	8	minus*	3 or 0	=	5	x 40	= 200
[ ] First presentation of multiple dependent claim							

\* Subtract the greater number of Col. 2

\*\* If the difference between Col. 1 and Col. 2 is less than zero, then enter "0" in Col. 3

**SUBTOTAL (2)****(\$)**299******SUBMITTED BY**

Typed or Printed Name

Neil F. Malone

Signature

**Complete (if applicable)**

Reg. Number

42,833

Date

March

12

, 2001

<sup>†</sup> Request for Extension of Time per 37 CFR 1.136 (a)(3) made hereby